

WHAT IS CLAIMED IS:

1. Device characterised in that a sanding belt unit aligned obliquely to the feed direction is provided with a drive or a device for lower than standard wood sanding belt speeds and /or with an electronically controlled segmented sanding pad.
2. Device characterised in that a sanding belt unit can be adjusted from perpendicular to oblique to the feed direction, and from oblique to perpendicular to the feed direction.
3. Device characterised in that a sanding belt unit with its sanding pad can be aligned obliquely to its feed direction.
4. Device characterised in that the segments of an electronically controlled segmented sanding pad are rotatable, for the purposes of maintaining them parallel to the feed direction, including for oblique alignments of the sanding pad.
5. Device as described in Patent Claims 1 and/or 2 and/or 3, characterised in that the oblique alignment angle of rotation can be regulated steplessly.
6. Device as described in Patent Claims 1 and/or 2 and/or 3, characterised in that the oblique alignment centre of rotation is positioned in the vertical middle axis of the drive belt.

7. Device as described in Patent Claim 2, characterised in that the entire assembly body, including belt tensioning, oscillation, safety and dust extraction units, rotates and is supported as necessary for the rotation.

8. Device as described in Patent Claim 4, characterised in that the oblique alignment of the segments can be regulated steplessly.

9. Device as described in Patent Claim 4, characterised in that the varying segment gap between the forward contact rollers aligned perpendicularly to the feed direction, and the segments aligned obliquely to the feed direction, are compensated by a corresponding segment control system.

10. Device as described in Patent Claim 4, characterised in that the forward contact rollers rotate parallel to the segments.